

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for summarizing a news video stream using a synthetic key frame based upon video text, the method comprising ~~the steps of:~~
~~identifying the kind of extracting~~ text regions ~~extracted~~ from a news video stream containing a plurality of articles;
~~identifying the extracted text regions by a type selected from a plurality of types;~~
allocating a different weight to each text region based upon the identification including at least said type; and
generating a synthetic key frame by synthesizing each text region ~~into a key frame,~~
~~if the each text region which~~ has an importance measure of at least a certain value into a key frame.
2. (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~ according to claim 1, wherein ~~the each text region is~~ comprises an icon text region or a general text region.

3. (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~ according to claim 2, wherein the icon text region is extracted from an anchor shot.

4. (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~ according to claim 2, wherein the general text region is extracted from an episode shot.

5. (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~ according to claim 1, wherein the key frame comprises one icon text region and at least one general text region.

6. (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~ according to claim 1, wherein ~~the a~~ key frame is generated ~~in the unit of~~ for each article of the plurality of articles.

7. (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~ according to claim 1, wherein an importance measure

~~is allocated to~~ associated with an icon text region ~~with a larger value is greater than an~~
importance measure associated with a general text region.

8. (Currently Amended) The method ~~for summarizing a news video stream using a~~
~~synthetic key frame based upon video text~~ according to claim 1, wherein ~~the~~ an importance
measure is allocated to a general text region using ~~the~~ a weight determined ~~according to~~ based on
a weight determining factor.

9. (Currently Amended) The method ~~for summarizing a news video stream using a~~
~~synthetic key frame based upon video text~~ according to claim 8, wherein the weight determining
factor ~~includes the~~ is based on a size of the text region, ~~the~~ a mean text size in the text region,
and ~~the~~ a display duration time ~~of~~ associated with the text region.

10. (Currently Amended) The method ~~for summarizing a news video stream using a~~
~~synthetic key frame based upon video text~~ according to claim 8, wherein the weight is
determined in proportion to the weight determining factor.

11. (Currently Amended) The method ~~for summarizing a news video stream using a~~
~~synthetic key frame based upon video text~~ according to claim ~~11~~ 1, wherein the text region

regions having an importance measure of at least a certain value ~~is~~ are selected for inclusion in
the synthetic key frame in the ~~an~~ order of higher importance.

12. (Currently Amended) The method ~~for summarizing a news video stream using a~~
~~synthetic key frame based upon video text~~ according to claim 1, wherein ~~the~~ a number of text
regions and ~~the~~ a size of the text region are determined according to ~~the~~ a size of a browser.

13. (Currently Amended) A method for summarizing a news video stream using a
synthetic key frame based upon video text of the news video stream, the method comprising ~~the~~
~~following steps of:~~

extracting text regions from said video text of the news video stream;

identifying ~~whether the~~ the text regions extracted from ~~a the~~ the news video stream ~~is an~~
~~icon text region;~~

allocating the highest importance measure measures to the icon text region, if the
text regions is the icon, wherein the highest importance measure is allocated to a text region;
allocating which is identified as an icon text region, and corresponding importance measures are
allocated to text regions identified as general text regions, if the text region are not the icon text
region;

selecting text regions to be synthesized from the general text regions in the order of high-importance; and

synthesizing the icon text region and the selected general text regions to be synthesized into a key frame.

14. (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~ according to claim 13, wherein the icon text region is extracted from an anchor shot.

15. (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~ according to claim 13, wherein the icon text region represents one article.

16. (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~ according to claim 13, wherein the general text region is extracted from an episode shot.

17. (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~ according to claim 13, wherein each of the

importance measures of the general text region is allocated using a weight determined ~~according~~
~~to~~ based on a weight determining factor.

18. (Currently Amended) ~~The method for summarizing a news video stream using a synthetic key frame based upon video text according to claim 17, wherein the weight determining factor includes the a size of the text region, the a mean text size in the text region, and the display duration time of associated with the text region.~~

19. (New) The method according to claim 1, wherein the plurality of types comprises at least a first and a second type, and wherein a type identified for a particular text region is determined based on a type of shot from which the particular text region is extracted.

20. (New) The method according to claim 1, further comprising generating a key frame for each article of the plurality of articles wherein, the key frame comprises one icon text region extracted from an anchor shot and at least one general text region extracted from an episode shot.

21. (New) A method for summarizing a video stream, comprising:
extracting text regions from a video stream;

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identifying the extracted text regions by a type selected from a plurality of types;

allocating a different weight to each text region and synthesizing selected text regions into
a synthetic key frame based on associated importance measures; and

generating a table of contents based on the synthetic key frame.